

REMARKS

Applicants respectfully request reconsideration of this application as amended. The following remarks are responsive to the final Office Action received, which was mailed on April 02, 2004. Claims 1, 18 and 21 have been amended. Claims 5-6, 10-17, 19, and 22-26 have been cancelled without prejudice. Claims 30-45 have been added. Therefore, claims 1-4, 7-9, 18, 20-21, and 27-45 are now presented for examination.

35 U.S.C. § 102 Rejection

Claims 1-3, 9, 18, 20 and 28 stand rejected under 35 U.S.C. §102(b), as being anticipated by Larsen et al., U.S. Patent No. 5,835,705 (“Larsen”).

Claim 1, as amended, in pertinent part, recites “a processor to execute a plurality of threads simultaneously, each thread including a series of instructions . . . the qualifying of the event is performed using a thread ID and a thread current privilege level (CPL), the thread ID indicating a source of the event, the source including a thread of the plurality of threads where the event occurred” (emphasis provided).

Larsen discloses “the processor has *first and second modes of operation* . . . [and] when the performance monitor is operating in the first mode, a first counter within the performance monitor increments *in response to each occurrence of the first event* and a second counter within the performance monitor increments *in response to each occurrence of the second event*” (col. 2, lines 2-9; emphasis provided). Larsen further discloses using a “*performance monitor . . . [to receive] as inputs event occurrences . . . [s]elected event occurrences among the numerous event occurrences that may be received by performance monitor* are recorded . . . within Monitor Counters (PMCs) within performance monitor . . . [and the] performance monitor 50 outputs the value of the specified PMC” (col. 4, lines 46-64; emphasis provided).

First, Larsen does not teach or reasonably suggest executing a plurality of threads simultaneously and, second, Larsen does not teach or reasonably suggest qualifying of the event is performed using a thread ID and a thread current privilege level (CPL), the thread ID indicating a source of the event, the source including a thread of the plurality of threads where the event occurred, as recited by claim 1. Accordingly, Applicants respectfully request the withdrawal of the rejection of claim 1 and its dependent claims.

Claim 18 contains limitations similar to those of claim 1 and accordingly, Applicants respectfully request the withdrawal of rejection of claim 18 and its dependent claims.

Likewise, new claims 32 and 40 contain limitations similar to those of claim 1. Claims 32 and 40 and their dependent claims are distinguished from the cited references.

35 U.S.C. § 103 Rejection

Claim 4 stands rejected under 35 U.S.C. §103(a), as being unpatentable over Larsen et al., U.S. Patent No. 5,835,705 (“Larsen”) in view of Diepstraten et al., U.S. Patent No. 6,205,468 (“Diepstraten”).

Claims 7, 8, 21, and 25-27 stands rejected under 35 U.S.C. §103(a), as being unpatentable over Larsen in view of Dreyer, et al., U.S. Patent No. 5,657,253 (“Dreyer”).

With regard to claims 4, 7-8, 21 and 25-27 they depend from either claim 1 or claim 18 and thus include the limitations of the independent claim from which they depend.

Conclusion

In light of the foregoing, reconsideration and allowance of the claims is hereby earnestly requested.

Invitation for a Telephone Interview

The Examiner is requested to call the undersigned at (303) 740-1980 if there remains any issue with allowance of the case.

Request for an Extension of Time

Applicants respectfully petition for an extension of time to respond to the outstanding Office Action pursuant to 37 C.F.R. § 1.136(a) should one be necessary. Please charge our Deposit Account No. 02-2666 to cover the necessary fee under 37 C.F.R. § 1.17(a) for such an extension.


Charge our Deposit Account

Please charge any shortage to our Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date: June 30, 2004


Aslam A. Jaffery
Reg. No. 51, 841

12400 Wilshire Boulevard
7th Floor
Los Angeles, California 90025-1030
(303) 740-1980